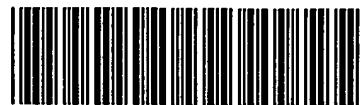


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/538,197
Source: IFWP
Date Processed by STIC: 7/31/06

ENTERED



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/538,197

DATE: 07/31/2006
TIME: 14:26:29

Input Set : A:\As filed.txt
Output Set: N:\CRF4\07312006\J538197.raw

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3 <110> APPLICANT: Inpharmatica Limited
5 <120> TITLE OF INVENTION: Serine Protease
7 <130> FILE REFERENCE: P032668WO
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/538,197
C--> 10 <141> CURRENT FILING DATE: 2005-06-09
12 <150> PRIOR APPLICATION NUMBER: GB 0228957.7
13 <151> PRIOR FILING DATE: 2002-12-11
15 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: SeqWin99, version 1.02
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 58
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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27 <210> SEQ ID NO: 2
28 <211> LENGTH: 20
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 2
33 Met Lys Trp Cys Trp Gly Pro Val Leu Leu Ile Ala Gly Ala Thr Val
34 1           5           10          15
36 Leu Met Glu Gly
37           20
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 21
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 3
45 gtcttcaagg cgctcagcgt g                                21
47 <210> SEQ ID NO: 4
48 <211> LENGTH: 7
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 4
53 Leu Gln Ala Ala Gln Arg Ala
54 1           5
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 163
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
61 <400> SEQUENCE: 5
62 cctgtggaca gcgtggcccc ggccccccca agcctcagga gggcaacaca gtcctggcg      60

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/538,197

DATE: 07/31/2006
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Input Set : A:\As filed.txt
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63 agtggccctg gcaggccagt gtgaggaggg aaggagccca catctgcagc ggctccctgg      120
64 tggcagacac ctgggtccctc actgctgccc actgcttga aaa      163
66 <210> SEQ ID NO: 6
67 <211> LENGTH: 54
68 <212> TYPE: PRT
69 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 6
72 Cys Gly Gln Arg Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr
73 1           5           10          15
75 Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala
76   20          25          30
78 His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala
79   35          40          45
81 Ala His Cys Phe Glu Lys
82   50
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 266
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 7
90 ggcagcagca acagaactga attcctggtc agtggtcctg gtttctctgc agcgtgaggg      60
91 actcagccct gggccgaag aggtgggggt ggctgccctg cagttgccca gggctataaa      120
92 ccaactacagc cagggttcag acctggccct gctgcagctc gcccacccca cgaccacac      180
93 accccctctgc ctgccccatcg ccgcacatcg cttcccttt ggagcctcct gctggccac      240
94 tggctggat caggacacca gtgatg      266
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 89
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
101 <400> SEQUENCE: 8
102 Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser Leu
103 1           5           10          15
105 Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala Ala
106   20          25          30
108 Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu
109   35          40          45
111 Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys Leu
112   50          55          60
114 Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr
115   65          70          75          80
117 Gly Trp Asp Gln Asp Thr Ser Asp Ala
118   85
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 155
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 9
126 ctccctggac cctacgcaat ctgcgcctgc gtctcatcag tcgccccaca tctaactgta      60
127 tctacaacca gctgcaccag cgacacctgt ccaacccggc ccggcctggg atgctatgtg      120

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/538,197

DATE: 07/31/2006
TIME: 14:26:29

Input Set : A:\As filed.txt
Output Set: N:\CRF4\07312006\J538197.raw

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128 ggggccccca gcctgggtg cagggcccct gtcag          155
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 51
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 10
136 Pro Gly Thr Leu Arg Asn Leu Arg Leu Ile Ser Arg Pro Thr
137 1           5           10           15
139 Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu Ser Asn Pro
140           20           25           30
142 Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly Val Gln Gly
143           35           40           45
145 Pro Cys Gln
146           50
148 <210> SEQ ID NO: 11
149 <211> LENGTH: 220
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 11
154 ggagattccg gggccctgt gctgtgcctc gagcctgacg gacactgggt tcaggctggc      60
155 atcatcagct ttgcatcaag ctgtgccag gaggacgctc ctgtgctgct gaccaacaca      120
156 gctgctcaca gttcctggct gcaggctcgaa gttcagggggg cagcttccct ggcccaagagc      180
157 ccagagaccc cggagatgag tgatgaggac agctgtgttag                      220
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 74
161 <212> TYPE: PRT
162 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 12
165 Gly Asp Ser Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp
166 1           5           10           15
168 Val Gln Ala Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp
169           20           25           30
171 Ala Pro Val Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln
172           35           40           45
174 Ala Arg Val Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro
175           50           55           60
177 Glu Met Ser Asp Glu Asp Ser Cys Val Ala
178 65           70
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 151
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 13
186 cctgtggatc ttgaggaca gcaggcccc accctccca tggccctggg      60
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188 cggtgctaact gctggccac tgcttcatttg g                         151
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 50
192 <212> TYPE: PRT

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/538,197

DATE: 07/31/2006

TIME: 14:26:29

Input Set : A:\As filed.txt

Output Set: N:\CRF4\07312006\J538197.raw

193 <213> ORGANISM: Homo sapiens
 195 <400> SEQUENCE: 14
 196 Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro
 197 1 5 10 15
 199 Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly
 200 20 25 30
 202 Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe
 203 35 40 45
 205 Ile Gly
 206 50
 208 <210> SEQ ID NO: 15
 209 <211> LENGTH: 245
 210 <212> TYPE: DNA
 211 <213> ORGANISM: Homo sapiens
 213 <400> SEQUENCE: 15
 214 ggcgcaggcc ccagaggaat ggagcgttagg gctggggacc agaccggagg agtggggcct 60
 215 gaagcagctc atcctgcattt gaggctacac ccacccttagg gggggctacg acatggccct 120
 216 cctgctgctg gcccagcctg tgacactggg agccagcctg cggccctct gcctgcccta 180
 217 tcctgaccac cacctgcctg atggggagcg tggctgggtt ctgggacggg cccggccagg 240
 218 agcag 245
 220 <210> SEQ ID NO: 16
 221 <211> LENGTH: 82
 222 <212> TYPE: PRT
 223 <213> ORGANISM: Homo sapiens
 225 <400> SEQUENCE: 16
 226 Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg Pro Glu
 227 1 5 10 15
 229 Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr His Pro
 230 20 25 30
 232 Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Ala Gln Pro Val Thr
 233 35 40 45
 235 Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp His His
 236 50 55 60
 238 Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg Pro Gly
 239 65 70 75 80
 241 Ala Gly
 244 <210> SEQ ID NO: 17
 245 <211> LENGTH: 146
 246 <212> TYPE: DNA
 247 <213> ORGANISM: Homo sapiens
 249 <400> SEQUENCE: 17
 250 gcatcagctc cttccagaca gtgcccgtga ccctcctggg gcctaggccc tgcagccggc 60
 251 tgcatgcagg tcctgggggt gatggcagcc ctattctgcc gggatggtg tgtaccagt 120
 252 ctgtgggtga gctgcccagc tgtgag 146
 254 <210> SEQ ID NO: 18
 255 <211> LENGTH: 48
 256 <212> TYPE: PRT
 257 <213> ORGANISM: Homo sapiens
 259 <400> SEQUENCE: 18

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/538,197

DATE: 07/31/2006
TIME: 14:26:29

Input Set : A:\As filed.txt
Output Set: N:\CRF4\07312006\J538197.raw

260 Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala
 261 1 5 10 15
 263 Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu
 264 20 25 30
 266 Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu
 267 35 40 45
 270 <210> SEQ ID NO: 19
 271 <211> LENGTH: 276
 272 <212> TYPE: DNA
 273 <213> ORGANISM: Homo sapiens
 275 <400> SEQUENCE: 19
 276 ggcctgtctg gggcaccact ggtgcatgag gtgagggca catggttcct ggccgggctg 60
 277 cacagcttcg gagatgcttg ccaaggcccc gccaggccgg cggtcttcac cgcgctccct 120
 278 gcctatgagg actgggtcag cagtttggac tggcaggtct acttcgcccga ggaaccagag 180
 279 cccgaggctg agccttggaa ctgcctggcc aacataagta tgtggccccc gggcctcctg 240
 280 ccaaaccctg cctctccagg acccattctct ctccag 276
 282 <210> SEQ ID NO: 20
 283 <211> LENGTH: 92
 284 <212> TYPE: PRT
 285 <213> ORGANISM: Homo sapiens
 287 <400> SEQUENCE: 20
 288 Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg Gly Thr Trp Phe
 289 1 5 10 15
 291 Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg
 292 20 25 30
 294 Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser
 295 35 40 45
 297 Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu
 298 50 55 60
 300 Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu
 301 65 70 75 80
 303 Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln
 304 85 90
 306 <210> SEQ ID NO: 21
 307 <211> LENGTH: 1701
 308 <212> TYPE: DNA
 309 <213> ORGANISM: Homo sapiens
 311 <400> SEQUENCE: 21
 312 atgaagtggc gctggggccc agtgctgctc atcgcgggtg ccacagtcct catggagggt 60
 313 cttcaagccg ctcagcgtgc ctgtggacag cgtggccccc gcccccccaa gcctcaggag 120
 314 ggcaacacag tccctggcga gtggccctgg caggccagtg tgaggagca aggagccac 180
 315 atctgcagcg gtcctcttgtt ggcagacacc tgggtctca ctgctgccca ctgctttgaa 240
 316 aaggcagcag caacagaact gaattcctgg tcagtggtcc tgggttctct gcagcgtgag 300
 317 ggactcagcc ctggggccga agagggtgggg gtggctgccc tgcagtgcgc cagggcttat 360
 318 aaccactaca gccagggtc agaccctggcc ctgctgcagc tcgcccaccc cacgacccac 420
 319 acacccctct gcctggccca gcccccccat cgctccccc ttggagcctc ctgctggcc 480
 320 actggctggg atcagagacac cagtgtatgtct cctgggaccc tacgcaatct gcgcctgcgt 540
 321 ctcatcagtc gccccacatg taactgtatac tacaaccaggc tgcaccaggc acacctgtcc 600
 322 aaccggccca ggcctggat gctatgtggg ggcggccaggc ctggggtgca gggccctgt 660

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/538,197

DATE: 07/31/2006

TIME: 14:26:30

Input Set : A:\As filed.txt

Output Set: N:\CRF4\07312006\J538197.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date